

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/06630

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ G01D5/245

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ G01D5/245

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

| | | | |
|---------------------------|-----------|----------------------------|-----------|
| Jitsuyo Shinan Koho | 1922-1996 | Jitsuyo Shinan Toroku Koho | 1996-2003 |
| Kokai Jitsuyo Shinan Koho | 1971-2003 | Toroku Jitsuyo Shinan Koho | 1994-2003 |

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|--|-----------------------|
| A | EP 1054238 A (Atsutoshi GOTO), 22 November, 2000 (22.11.00), Full text; all drawings & JP 2000-329505 A | 1-3 |
| A | JP 2000-283861 A (Toyoda Machine Works, Ltd.), 13 October, 2000 (13.10.00), Full text; all drawings (Family: none) | 1-3 |
| A | EP 1090699 A (MURATA KIKAI KABUSHIKI KAISHA), 11 April, 2001 (11.04.01), Full text; all drawings & CN 1292309 A & JP 2001-74408 A | 1-3 |

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:
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 "&" document member of the same patent family

Date of the actual completion of the international search
17 July, 2003 (17.07.03)

Date of mailing of the international search report
05 August, 2003 (05.08.03)

Name and mailing address of the ISA/
Japanese Patent Office

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